

Claims

1. Treatment device for correcting impairments to hearing, comprising a housing of metal, the housing having a battery compartment as well as a sound exit opening, characterized in that the housing completely surrounds and shields the electronics unit located in the treatment device (1) against electromagnetic waves, and that the housing (2) has an essentially cylindrical shape.

2. Treatment device according to claim 1, characterized in that the battery compartment (7) has a watertight seal from the rest of the housing (2).

3. Treatment device according to claims 1 or 2, characterized in that the sound exit opening (5) is sealed by an acoustically transmitting, watertight film.

4. Treatment device according to one of the foregoing claims, characterized in that a sound exit opening (4) is provided in the housing (2), which opening is sealed by an acoustically transmitting, watertight film.

5. Treatment device according to one of the foregoing claims, characterized in that the housing (2) has two sections (2a, 2b), the housing component (2b) with the battery compartment (7) being screwed together with another housing component (2a) and an O-ring seal (3) being located in the screw section.

6. Treatment device according to one of the foregoing claims, characterized in that the treatment device (1) is free of external moving operating elements.

7. Treatment device according to one of the foregoing claims, characterized by a housing (2) composed of titanium or a titanium alloy.

8. Treatment device according to one of the foregoing claims, characterized in that retaining means are provided in the battery compartment (7) to fix the position of the battery.

9. Treatment device according to claim 8, characterized in that a hole (9) of small diameter is located in the battery compartment (7) such that the small hole (9) allows external access to the battery.

*Surf 93*

10. Treatment device according to claim 8, characterized in that the retaining means are designed as a magnet.

11. Treatment device according to claims 9 and 10, characterized in that the magnet is designed as a ring magnet (8), the hole (9) exiting into the center recess of the ring magnet (8).

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